Behavior Genetics, Vol. 18, No. 6, 1988

Author Index to Volume 18

Page numbers followed by an "a" refer to a published abstract from the 1988 Behavior Genetics Association Meeting in Nijmegen.

Abraham, L. M., 731a
Adams, N., 705a
Afzal, M., 583
Altman, H. J., 663
Arvey, R. D., 731a

Baginski, T. J., 663
Baker, L., 247, 705a, 730a
Bakker, T. C. M., 706a
Bard, J., 537
Bauer, S. J., 81
Beau, J., 706a, 710a
Beauchamp, G. K., 537
Beecher, M. D., 465
Benno, R. H., 706a
Bernstein, I. S., 511
Bertholet, J., 707a
Blaustein, A. R., 405, 449
Blizard, D. A., 705a, 707a
Blizard, R. A., 708a, 715a
Boomsma, D. I., 708a, 714a
Bouchard, T. J., 728a, 731a
Boufares, S., 708a
Boynton, S. C., 709a
Boyse, E. A., 537
Brandes, C., 119
Breed, M. D., 405, 439
Brooks, A., 709a
Brush, F. R., 720a
Brust, I., 712a
Burnet, B., 211
Buselmaier, W., 671

Cairns, R. E., 605
Capron, C., 709a
Carey, G., 329, 347, 711a
Carlier, M., 175, 707a
Cesa, I. A., 705a
Chaoui, M., 727a
Chapouthier, G., 714a
Chatterjee, S., 357
Cherry, J. A., 383
Claustre, Y., 715a
Clifford, C. C., 708a
Cloninger, C. R., 717a
Cobb, M., 211, 715a
Coenen, A. M., 729a, 734a
Cohen-Salmon, C., 707a, 710a
Cole-Harding, S., 710a
Collins, R. L., 711a
Combes, C., 201
Commissaris, R. L., 663
Connolly, K., 211
Coon, H., 711a
Cooper, P. A., 706a
Cornblatt, B. A., 725a
Couvee, J. E., 711a
Crowe, L., 712a
Crusio, W. E., 153, 671, 712a, 713a, 731a

Dawson, W. D., 371, 730a
de Belle, J. S., 732a
Decker, S. N., 247
Dedek, J., 715a

0001-8244/88/1100-0747$06.00/0 © 1988 Plenum Publishing Corporation

DeFries, J. C., 713a, 722a
de Jonge, G., 713a
de Kok, Y. J., 733a
de la Ooma, J. L., 716a
de Moura Duarte, F. A., 725a
Desforges, C., 714a
Dewsbury, D. A., 525
Dodd, R. H., 714a
Dolan, C. V., 714a
Dowse, H. B., 714a, 729a
Driscoll, P., 715a
Dunnington, E. A., 383
Duyme, M., 709a

Eaves, L. J., 27, 133
Egid, K., 549
Erlenmeyer-Kimling, L., 725a
Erwin, V. G., 713a
Eves, F., 715a

Ferrus, A., 716a
Feuth-de Bruijn, E., 706a
Fields, W. L., 675
Filion, D. L., 730a
Francois, M.-H., 716a
Fulker, D. W., 347, 709a, 729a

Gailey, D. A., 716a
Gamboa, G. J., 409
Gannon, K. S., 717a
Gatz, M., 705a
Gerresheim, F., 227
Gilligan, S. B., 717a
Ginsburg, B. E., 718a
Gottesman, I. I., 735a
Greenacre, M., 722a
Greenberg, L., 425
Gromko, M. H., 621, 633
Guastavino, J. M., 708a, 718a
Guttman, R., 718a, 718a

Hahn, M. H., 706a
Hall, J. C., 675, 716a
Hamidou, A., 718a
Hanesch, U., 719a
Harder, D. N., 719a
Harrington, G. M., 663
Heath, A. C., 105, 719a
Heimrich, B., 153, 671
Heisenberg, M., 719a
Henderson, N. D., 571
Henze, G., 734a
Hewitt, J. K., 105, 133, 706a, 720a
Hill, M., 722a
Hirsch, J., 13, 720a
Ho, H. Z., 247
Holliday, M., 720a
Hood, K. E., 605

Inque, M., 729a
Iso, H., 720a

Kass, L., 714a
Kaprio, J., 309, 721a, 730a
Kerbush, J. M. L., 721a
Knesevich, J. W., 735a
Koehler, W., 737a
Koene, P., 722a, 735a
Koskenvuo, M., 721a, 730a
Kovach, J. K., 645
Kyriacou, C. P., 722a

LaBuda, M. C., 722a
Lake, C. E., 371
Llamazares, S., 716a
Lenington, S., 549
Levey, A., 715a
Lhotellier, L., 710a
Lipp, H. P., 153, 723a, 731a
Lyons, J. P., 35

MacDonald, D E., 723a
Maggio, J. C., 717a
Martin, I., 715a
Martin, N. G., 724a
Mascie-Taylor, C. G. N., 339
Maxson, S. C., 724a
Mazeau, S., 389
Mellins, C., 705a
Meyer, J. M., 724a
Michard-Vanhee, C., 1, 725a
Mogenet, J. L., 710a
Moldin, S. O., 725a
Molenaar, P. C. M., 708a, 714a
Moore, M. J., 439
Morstad, A. L., 710a
Murphey, R. M., 725a
Murray, R. M., 708a, 733a

Nagoshi, C. T., 347
Nash, D. J., 726a
Neale, M. C., 69, 133, 726a, 733a
Newport, M. E., 633, 645

Noel, M., 727a
Nosten, M., 716a, 727a

Oblin, A., 715a
Ochando, M. D., 727a
Orlebeke, J. F., 708a, 711a
Owen, D. R., 732a

Papaj, D. R., 727a, 735a
Parsons, P. A., 293
Pederson, N. L., 728a
Peeples, E. E., 728a
Peeters, B. W., 729a, 734a
Peterson, D. R., 713a
Phillips, K., 347, 729a
Porter, R. H., 405, 483
Possidente, B., 109

Reed, T. E., 595
Ricker, J. P., 13
Ringo, J. M., 714a, 729a
Rose, R. J., 309, 721a, 730a
Roubertoux, P. L., 175, 714a, 727a

Sakai, L. M., 730a
Scatton, B., 715a
Scharloo, W., 737a
Schumpert, S. S., 371
Schwagmeyer, P. L., 495
Schwegler, H., 153, 671, 712a, 713a, 731a
Segal, N. L., 728a, 731a
Sevenster, P., 706a
Siegel, P. B., 383
Signore, P., 727a
Singer, S. M., 731a
Singh, B. N., 357
Sokolowski, M. B., 81, 723a, 732a
Stein, G., 733a
Stephen, F. K., 109
Stiller, T. M., 439

Teasdale, T. W., 732a
Thackeray, J., 722a
Theron, A., 201
Tully, T., 709a

Upchurch, M., 55, 736a

van Abeelen, J. H. F., 99, 712a, 713a, 733a, 733a
van Daal, J. H., 733a, 733a
van den Akker, O., 733a
Vandenberg, S. G., 339, 734a
van den Bree, M. B. M., 711a
van Dijken, F. R., 737a
van Luijtelaar, E. L., 729a, 734a
Vaysse, G., 734a
Veille, M., 389
Venault, P., 714a
Vendrik, A. J. M., 721a
Vet, L. E. M., 723a, 735a
Vogler, G. P., 735a
Vossen, J. M. H., 722a, 735a

Wahlsten, D., 35, 736a
Warren, J. M., 167
Wasserman, S. S., 193
Watts, D., 707a
Wehner, J. W., 55, 736a
Welbergen, P., 737a
Wheeler, D. A., 675
Willerman, L., 737a
Williams, J., 549
Wilson, G., 645
Wilson, J. R., 710a, 713a
Wong, P. T. H., 185

Yamazaki, K., 537
Yoong, Y. L., 185

Zelenka, D. J., 383
Zivkovic, B., 715a
Zohar, A., 718a, 737a

Behavior Genetics, Vol. 18, No. 6, 1988

Subject Index to Volume 18

All page numbers refer to the first page of an article or abstract. Page numbers followed by an "a" refer to a published abstract from the 1988 Behavior Genetics Association Meeting in Nijmegen.

Abstracts of 1988 Annual Meeting of BGA, 705
Acoustic startle, rats, 663
Adoption studies
  IQ, 709a
  temperament, 711a
Aging, mice, 710a
Aggression
  maternal effects, mice, 175
  mice, 1, 99, 605, 718a, 718a
  primates, nonhuman, 511
  sticklebacks, 706a
  testosterone, 1, 725a
Agonistic behavior in rodents, 724a
Alcohol
  drinking and driving, twin study, 724a
  family study, 717a
  preference, rats, 720a
  recombinant inbred strains, mice, 713a
  sensitivity, 712a
  social history, 712a
  tolerance, 721a
  twin study, 708a
Assortative mating
  Drosophila, 389
  ethnicity, 718a
  IQ, 339
  personality, 339, 718a
  propinquity, 339
  sex differences, 737a
Attention, twins, 730a
Autism, mother–child case study, 731a
Avoidance learning, rats, 715a

Behavior Genetics
  Abstracts of 1988 Annual Meeting, 705
  membership list, 263
  Presidential Address, 293
  referees for Vol 18, 745
  Thompson Award, Meyer, 724a
Behavior Genetics Association Annual Meeting, Secretary's Report, 739
Biometrical analysis, mice, 706a, 714a, 717a
Biorhythms, *Drosophila*, 722a
Bird calls, information analysis, 465
Birds, kin recognition, 465
Blood fluke, emergence behavior, 201
Blood pressure, rats, 705a
Brain, evolution, 723a
Bruchid beetle, fecundity, 193
Butterflies, host-finding behavior, 727a

Cardiac response, twins, 715a
Cattle, social behavior, 725a
Cerebellar foliation, mice, 706a
Chickens, anorexia, sexual maturity, 383
Circadian rhythms, *Drosophila*, 729a
Clock mutant, new, *Drosophila*, 729a
Cognitive abilities
  IQ, 247, 709a, 709a
  reading, twins, 709a
  spatial ability, twins, 710a
  speed of processing, twins, 247
Conflict behavior, rats, 722a, 735a
Courtship, *Drosophila*, 211, 675, 716a

0001-8244/88/1100-0751$06.00/0 © 1988 Plenum Publishing Corporation

Deerfield mice, burrowing, 371
Development
  postnatal, Shaker short-tail mice, 35
  twin studies, 13
Diallel cross, 571, 737a
Discrimination learning, rats, 721a
Dominance and epistasis, 27
Dopamine metabolism, rats, 715a
Drosophila
  assortative mating, 389
  biorhythms, molecular mechanisms, 722a
  circadian rhythms, 729a
  clock mutant, new, 729a
  conditionability, 720a
  courtship, 211, 675, 716a
  for locus, mapping, 732a
  fruitless phenotype, 716a
  geotaxis, 13
  heart defect, 714a
  learning, 720a, 734a
  mating propensity, 357
  memory, 709a
  neuronal mutants, 719a
  phototactic mutants, 227
  protein synthesis inhibitors, 709a
  pupation behavior, autosomal and maternal effects, 81
  RNA synthesis inhibitors, 709a
  rover/sitter polymorphism, 723a
  selection studies, 13, 357, 621, 633
  sexual behavior, 389, 621, 633, 727a
  sexual isolation, 211, 675, 716a
  Shaker gene, 716a
  spectral analysis of courtship songs, 675
  wasp parasites, 723a, 735a
Drosophila species
  ananassae, 357
  mauritiana, 211
  melanogaster, 13, 81, 227, 389, 621, 633, 675, 709a, 714a, 716a, 716a, 719a, 720a, 722a, 727a, 729a, 732a, 734a, 737a
  simulans, 211, 675, 722a, 737a

Emergenesis, critique, 27
Epilepsy, rats, 734a, 729a
Estimating factor scores, 708a
Ethnicity, assortative mating, 718a
Evolution of the brain, 723a
Exploration, mice, 733a, 718a

Family study, alcohol, 717a
  for locus, mapping, *Drosophila*, 732a
Frogs, kin recognition, 449
Fruitless phenotype, *Drosophila*, 716a

Genetic correlation, 329
Geotaxis, *Drosophila*, 13
Genotype × environment interaction, female mice and testosterone, 1

Handedness, twins, 69
Handwriting, twin study, 728a
Happiness, twins, 705a
Heart defect, *Drosophila*, 714a
Hippocampus, water-maze learning, mice, 153, 731a
Honey bees
  kin recognition, 439
  learning, 119
Hypertension, rats, 705a, 707a
Human genetics, power analyses, 105

Inbreeding depression, 583
IQ
  adoption study, 709a, 729a
  assortative mating, 339, 347
  developmental model, 729a
  inbreeding depression, 583
  twins, 247, 709a

Job satisfaction, twins, 731a

Kin recognition
  birds, 465
  conceptual issues, 405–549
  empirical evidence, 405–549
  frogs, 449
  honey bees, 439
  mechanisms, 405–549
  mice, 483, 525, 537, 549
  muroid rodents, 483, 525
  primates, nonhuman, 511
  squirrels, 495
  sweat bees, 425
  symposium, 405–549
  toads, 449
  wasps, 409

Lateralization, mice, 710a
Learning
  avoidance, rats, 715a
  avoidance and hippocampus, mice, 671

Learning (*cont.*)
discrimination learning, rats, 721a
Drosophila, 720a, 734a
honey bees, 119
maze performance, age and incentives, mice, 167
spatial learning, mice, 736a
water maze, mouse strains, 55
water maze and hippocampus, mice, 153, 731a
Life events, twins, 720a

Maternal effects
mice, 109
Drosophila, 81
Mating propensity, *Drosophila*, 709a
Maudsley strains, acoustic startle, 663
Membership list, BGA, 263
Memory, *Drosophila*, 709a
Methodology
developmental model, 133, 714a, 145, 729a
diallel cross, *Drosophila*, 737a
diallel cross, mice, 571, 713a, 721a
dominance and epistasis, 27
estimating factor scores, 708a
genetic correlation, 329
personality structure, twin study, 719a
power analyses, human genetics, 105
psychiatric diagnosis, twins, 735a
simplex model, 714a
structural modeling, 133, 145, 247, 714a, 715a, 719a, 729a
survival analysis, 724a, 726a
Mice
aggression, 1, 605, 716a, 718a, 718a, 725a
aggression, maternal effects, 175
avoidance behavior, 671
behavioral and somatic traits, 99
biometrical analysis, 706a, 714a, 717a
cerebellar foliation, 706a
circadian period, inbred strains, 109, 706a
diallel cross, 571, 713a
exploration, 733a, 718a
hippocampal effects, 153, 671, 733a, 713a, 712a, 733a, 731a
kin recognition, 483, 537, 549
lateralization, 711a, 727a
maternal behavior, 708a
maze learning, age and motivation, 167
microphthalmic white mutant, 726a
nerve conduction velocity, 595
novelty, 713a, 712a, 733a

Mice (*cont.*)
postnatal development, Shaker short tail, 35
recombinant inbred strains, 713a
seizures, 714a
selection for sensitivity to diazepam, 185
senescence, 710a
sensory motor development, 727a
spatial learning, 736a
staggerer mutant, 708a, 718a
standardized testing, 736a
taste, 719a
testerone treatment, female mice, 1
ultrasonic vocalization, 707a, 717a
vocalization, threshold model, 571
water maze, 153
water-maze performance, strain differences, 55
Microphthalmic white mutant, mice, 726a
Mink, tail-biting, 713a
Molecular genetics, biorhythms, *Drosophila*, 722a
Muroid rodents, various, kin recognition, 483, 525

Nerve conduction velocity, mice, 595
Neuronal mutants, *Drosophila* 719a

Obituary, 565
Occupational interests, 734a
Oldfield mice, burrowing, 371

Personality
adoption study, 711a
assortative mating, 339, 347
schiziphrenia, high risk, 725a
schizophrenia, survival analysis, 726a
twins, 309, 708a, 730a, 733a, 734a
Phototactic mutants, *Drosophila*, 227
Power analyses, human genetics, 105
Premenstrual symptoms, twins, 733a
Presidential Address, BGA 1988 Annual Meeting, 293
Primates, nonhuman, kin recognition, 511
Protein synthesis inhibitors, *Drosophila*, 709a
Psychiatric diagnosis, twins, 735a
Psychoticism, twins, 719a
Pupation behavior, *Drosophila*, 81

Quails, color preference, 645

Rats
acoustic startle, 663
alcohol preference, 720a
avoidance learning, 715a
blood pressure, 705a
conflict behavior, 722a, 735a
discrimination learning, 721a
dopamine metabolism, 715a
epilepsy, 734a, 729a
hypertension, 707a
stress, 705a
Reaction time, twins, 711a
Reading, twins, 709a
Reading disability, twin study, 722a
Referees for Volume 18, 745
RNA synthesis inhibitors, *Drosophila*, 709a
Rover/sitter polymorphism, *Drosophila*, 723a

Schizophrenia
high risk, 725a
survival analysis, 726a
Secretary's report, BGA Annual Meeting, 739
Seizures, mice, 714a
Selection studies
aggression, mice, 605
color preference, quails, 645
conditionability, *Drosophila*, 720a
diazepam sensitivity, mice, 185
food intake, chickens, 383
geotaxis, Drosophila, 13
mating behavior, *Drosophila*, 621, 633
mating propensity, *Drosophila*, 357
Sensitivity, alcohol, 712a
Sensory motor development, mice, 727a
Sexual behavior, *Drosophila*, 389, 621, 633, 727a
Sexual isolation, *Drosophila*, 211, 675, 716a
Shaker gene, *Drosophila*, 716a
Shared environmental influences, twins, 309, 721a
Simplex model, 714a
Social mobility among adoptees, 732a
Spatial ability, twins, 710a
Spatial learning, mice, 736a
Species and Genera, see under
birds
Hirundo pyrrhonata, cliff swallow
H. rustica, barn swallow
Riparia riparia, bank swallow
Stelgidopteryx serripennis, rough-winged swallow
blood fluke, *Schistosoma mansoni*

Species and Genera (*cont.*)
bruchid beetle, *Callosobruchus maculatus*
butterflies, *Battus philenor*
cattle
Bos indicus
Bos taurus
chickens
deer mice, *Peromyscus maniculatus*
Drosophila species
frogs
Hyla regilla, Pacific tree frog
Rana aurora, red-legged frog
R. cascadae, cascades frog
R. pretiosa, spotted frog
R. sylvatica, wood frog
honey bees, *Apis mellifers*
mice
spiny mice, *Acomys cahirinus*
wild house mice, *Mus domesticus*
mink
muriod rodents, various
Oldfield mice, *Peromyscus polionotus*
primates, nonhuman, various
quails, *C. coturnix japonica*, Japanese quail
rats
squirrels
Spermophilus beldingi, Belding's ground squirrel
S. parryi, Arctic ground squirrel
S. richardsonii, Richardson's ground squirrel
S. tridecemlineatus, thirteen-lined ground squirrel
sticklebacks, *Gasterosteus aculeatus*
sweat bee, *Lasioglossum zephyrum*
toads
Bufo americanua, American toad
B. boreus, Western toad
wasps
Asobara tabida
Polistes fuscatus
Speed of cognitive processing, twins, 247
Spiny mice, kin recognition, 483, 525
Squirrels, kin recognition, 495
Staggerer mutant, mice, 708a, 718a
Standardized testing, mouse studies, 736a
Sticklebacks, aggression, 706a
Stress, rats, 705a
Stress and variability, 293
Structural modeling, 133, 145, 247, 714a, 715a, 719a, 729a
Survival analysis, 724a, 726a
Sweat bee, kin recognition, 425

t alleles, kin recognition, 537, 549
Taste, mice, 719a
Temperament, adoption study, 711a
Testosterone, mice, 1, 725a
Thompson Award, Meyer, 724a
Toads, kin recognition, 449
Tolerance, alcohol, 712a
Twin/adoption studies symposium, 728a
Twins
  alcohol consumption, 708a
  attentional processes, 730a
  cardiac response, 715a
  developmental model, 133, 714a, 721a
  drinking and driving, 724a
  estimating factor scores, 708a
  handedness, 69
  handwriting, 728a
  happiness, 705a
  IQ, 247, 709a
  job satisfaction, 731a
  life events, 720a
Twins (*cont.*)
  personality, 309, 708a, 730a, 733a
  premenstrual symptoms, 733a
  psychiatric diagnosis, 735a
  psychoticism, 719a
  reaction time, 711a
  reading, 709a
  reading disability, 722a
  shared environmental influences, 309, 721a
  spatial ability, 710a
  speed of cognitive processing, 247

Ultrasonic vocalizing, mice, 707a, 717a

Wasps
  kin recognition, 409
  interaction with *Drosophila larvae*, 723a, 735a